

Streptavidin Gold Conjugate (40nm, 10 OD) ab186864

2 References 1 Image

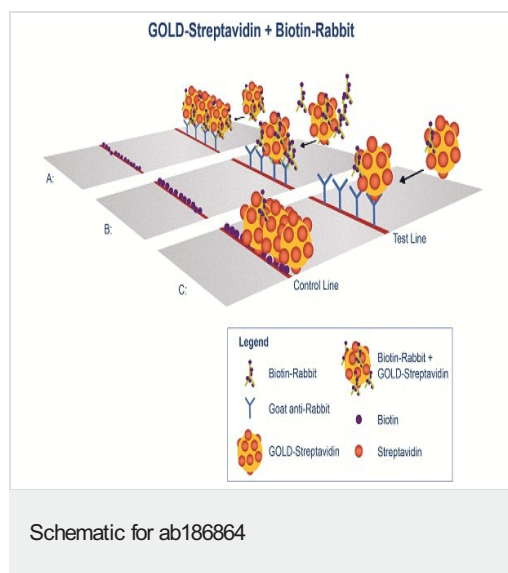
Overview

Product name	Streptavidin Gold Conjugate (40nm, 10 OD)
Product overview	<p>Gold nanoparticles at Abcam have a proprietary surface coating that can withstand the most extreme conditions (e.g. 2.5 M NaOH at 70°C for 2 hours), making our Gold nanoparticles an ideal reagent for a wide range of applications.</p> <p>Our Gold streptavidin conjugates share the stability attributes of the core nanoparticle. Furthermore, since the streptavidin is covalently bound to the surface coating of the gold nanoparticle it is unable to desorb, which is a major problem faced by competing products whereby the streptavidin is directly attached to the metal. Our Gold Streptavidin binds with high affinity to biotinylated molecules.</p> <p>A common application for Streptavidin Gold is to be used as a detector in Lateral Flow Assays (LFAs).</p> <p>Notes:</p> <p>This product is manufactured by Expedeon, an Abcam company. It was previously called 40nm InnovaCoat® GOLD (10OD) Streptavidin Conjugate. Expedeon product code 250-0200 is the same as the 200 µL size of this product and code 250-1000 is the same as the 1 mL size.</p> <p>This product is manufactured by Expedeon, an Abcam company, and was previously called 40nm InnovaCoat® GOLD (10OD) Streptavidin Conjugate. 250-1000 is the same as the 1 ml size. 250-0200 is the same as the 200 µl size.</p>
Notes	

Properties

Storage instructionsStore at +4°C. Please refer to protocols.

Components	200 µl	1 ml
Gold-Streptavidin	1 x 200µl	1 x 1ml



The 3 possibilities of binding are shown in the image:

- A Ideal concentration of Biotin conjugated Rabbit IgG (50-100 µg/ml) binds to the Streptavidin GOLD producing a strong signal on the test line (Goat anti-rabbit IgG).
- B Excess Biotin conjugated Rabbit IgG (>400 µg/ml) results in competition between the unbound Biotin conjugated Rabbit IgG and Streptavidin GOLD for the test line.
- C A lack of Biotin conjugated Rabbit IgG (<10 µg/ml) leads to a weak test line.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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